

ur en savoir plus sur la démarche SOH

Agenda

1. Our ambition

- 2. What do HO Factors mean?
- 3. How to integrate HO Factors in a design process?
- 4. Taking into account HO elements in decisional committees an example
- 5. Conditions for the deployment in each engineering unit & department





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1. Our Ambition (1) A « step by step » deployment



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1. Our Ambition (2) In each engineering unit and department...

Every engineer in charge of a modification file, which has an impact on work activities, takes into account H&O Factors

Towards this aim:

 Every designer has been trained, he has tools and methods

 Organization and Process, in every unit, are developed in order to identify and manage the HO Factors in the files, and to pilot the approach, particularly to ensure the skills





Pour en savoir plus sur la démarche SOH

1. Our Ambition (3)

A deployment in a Nuclear Fleet with integrated engineering units and departments

4600 engineers for the modifications of 58 plants and for deconstruction With the collaboration of suppliers







2. What do « HO Factors » mean?

"5 Scares figure of a work situation", from Leplat & Cuny 1977



3. How to integrate HO Factors in a design process?

4 Key-steps of the HO approach



4. Taking into account HO elements in decisional committees - an ex.



HO Action plan for design:

- MMI prototype, procedures test and simulation with operators/ automation specialists
- Training simulator simulation with automation specialists



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5. Conditions for the deployment in each engineering unit and department

× SO1 – Management: A member of the direction team, HO trained, who pilots the deployment and assures the means – HO objectives for the unit



× SO2 – **Process**: HO approach integrated at the ing, and at each step, presidents of decisional mittees who manage the HO ments

× SO3 – Skills: An HO specialist who - supports engineers to develop the approach, helps them to use methods and tools, assesses the quality of the productions. Engineers well HO trained, with HO suppliers

× SO4 – OE: Knowledge of the reality based on the OE, meetings with operators, analyses of work situations produced by HO experts 9

In conclusion

What are the results today?

¤ Engineering practices in evolution:

- Designers who know better the reality of the field activities
- NPP better informed on the modifications, and more involved in the design choices
- A cooperation between designers and operators around the sharing of the activities

... towards, human and organizational centered systems



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